2.4GHz WIRELESS VIDEO SENDER

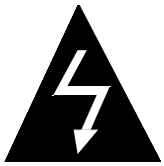
USER Manual

AWV32XL/AWV362L/AWV372L
SERIES

This equipmenthasbeentested and found to comply with the regulations for a Class B Analog Device, pursuant tosection 15 oftheFCCRules. This equipment is designed toprovidereasonable protectionagainstharmful interference inaresidential installation. This equipment generates,uses andcan radiate radio frequency energy and, if not installed andused in accordance with the instructions,maycause harmfulinterference to radio communications. Due to thenatureoftheequipment, thereisnoguarantee thatinterference will not occurin a particular installation. Ifthisequipment dose cause harmful interference to radio or television reception, whichcan bedetermined by turning theequipment offandon,theuserisencouraged to try tocorrect the interferencebyoneormoreofthefollowingmeasures:

- Rearrangeorrelocatethe receivingantenna.
- Increase theseparationbetweentheequipment and receiver.
- Connect theequipmentto an outlet o n a circuit different from that to which the receiverisconnected.
- Consult thedealeroranexperiencedradio/TV technician for help.

Notice:
Changes or modifications not expressly approved by the partyresponsible forcompliancecouldvoid the user's authority tooperatetheequipment and place theuserinviolation of FCC regulations.



CAUTION

RISKOFELECTRICSHOCK
DONOTOPEN

CAUTION:DONOTREMOVETHECOVER

DUETORISKOFELECTRICSHOCK.

NOUSER-SERVICEABLE PARTS INSIDE.

REFER TO QUALIFIEDSERVICE PERSONNEL FOR REPAIR ORSERVICE.

WARNING:

Donotexpose this product to rainoradampenvironmentasthismay create a risk offireorelectricshock as well as cause damage to this product.

IMPORTANT SAFETY INSTRUCTIONS

1. ReadtheInstructions:All the safety and operating instructions should bereadbefore theproductisoperated.
2. RetainInstructions:Thesafetyandoperatinginstructionsshouldbe kept for future reference.
3. Heedwarnings: All warnings ontheproduct andintheoperating instructionsshouldbeadheredto.
4. Follow Instructions: All operatinganduseinstructions should be followed.
5. Cleaning:Unplugthis product from the wall outlet beforecleaning. Do notuseliquidcleanersor aerosolcleaners. Useadampclothfor cleaning. Donotimmerse inwater.
6. Attachments:Donot use attachments not recommendedbythe productmanufacturer as theymaycreatehazardousconditions.
7. Water andMoisture:Do not use this productnearwater-for example, donotuse:nearabathtub;washbowl;kitchen sink; laundry tub; inawetbasement; near a swimmingpool; and the like.

8. Accessories: Donotplace this product on an unstablecart,stand, tripod, bracket, or table. The product may fall,causing serious injury to a childoradultandseriousdamagetotheproduct. Use only with a cart, stand, tripod, bracket, or table recommendedbythe manufacturer, or sold with theproduct. Any mountingoftheproduct should follow the manufacturer's instructions, and should use a mounting accessoryrecommendedbythemanufacturer.
9. A product andcart combination should be moved withcare. Quick stops,excessive forceandunevensurfacesmaycausethe productandcartcombination overturn.
10. Ventilation: Slots and openings inthecabinetareprovidedfor ventilationandtoensure reliable operation of theproductandto protectitfromoverheating. Theseopenings mustnotbeblocked orcovered.Theopeningsshould never beblockedbyplacing the product o n a bed, sofa, rug,orothersimilar surface. This product shouldnotbeplacedinabuilt-ininstallationsuchasabookcase orrackunlessproper ventilation is provided and the manufacturer's instructions havebeenadheredto.
11. PowerSources: This productshouldbe operated only with the type of power source (i.e.voltage)indicated onthemarking label. If youarenotsureofthetypeofpowersuppliedtoyourhome, consult your product dealeror local PowerCompany. For products intended tooperate from battery power, orother sources, refer to theoperatinginstructions.
12. Power-Cordprotection: Power supply cordsshouldberoutedso that they are not likely tobewalked on orpinchedbyitemsplaced upon or against them, payingparticularattentionto cords atplugs, convenience receptacles,andthepointwherethey exitfromthe product.
13. Lightning:Foradded protection for this product duringelectrical storms, orwhen it is left unattendedandunusedforlongperiods oftime, unplugitfromthewalloutletanddisconnect the antenna orcable system.Thiswillpreventdamagetotheproduct due to lightning or power-linesurges.
14. Overloading: Do not overload wall outlets, extensioncords,or integralconvenience receptacles as thiscanresultinariskoffire orelectricshock.
15. ObjectandLiquidEntry:Neverpush objects of any kindintothis productthrough openings as they may touch dangerousvoltage points or short-out parts that could resultinafire or electricshock. Never spillliquid of any kindontheproduct.
16. Servicing: Do not attempttoservicethisproduct yourself as opening orremovingcoversmayexposeyoutodangerousvoltage or other hazards. Refer all repair orotherservicetoqualifiedservice personnel.
17. Damage Requiring Service: Unplug this product from the wall outlet and refer servicing toqualifiedservice personnel under the followingconditions:

- If the power-supplycordorplugisdamaged.
- If liquidhasbeenspilled/upon, orobjectshave falleninto, the product.
- If the product has beenexposed to rainorwater.
- If the product does notoperate normallywhen following the operating instructions. Adjustonlythosecontrolsthatarecoveredbythe operatinginstructions, as animproper adjustmentofothercontrols may resultindamageandwilloftenrequire extensive work by a qualified technician to restore the product toitsnormal operation.
- If the product has beendroppedordamaged in anyway,and
- When theproductexhibits a distinct change in performance,asthis indicates a need for service.

18. Heat:Theproduct should be situated away from heatsourcessuchas radiators, heat registers,stoves,orotherproductsthatproduceheat, includingamplifiers,electriclightsandopen fireplaces. Avoid directsunlight.

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Introduction to the Video Sender

Video Sonic applies advanced2.4GHz RFwireless technology to offerusers the ability tolink all kinds of Audio and Video sources to TVs, Monitors,andPersonalComputerswithoutwiresor cables. The Video Sender is easy tocompletelyinstallwithinminutes. This plug-andplay featurehelps you to expandyourfreedomin yourhome entertainment and enhanceyourhome security.

Applications

- Works as the wireless remoteunit forexpensiveA/V equipment suchasIRD&DVD
- May beused as part of a wireless securitysystem.
- Canbeusedasababysittertowatchyourbabyconstantlyfrom anywhere inyour home.
- Monitor and record a meeting from another room.
- Use multiplereceiversforbroadcastingto numerous TV sets in otherrooms.
- Applicable todatatransmission (optional function).

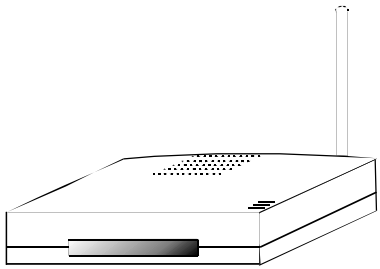
Features

- 4selectablechannelshelppreventanyinterference andallow operation of 4 pairs ofVideo Senderssimultaneously.
- Easy<plugandplay>installationwithin minutes.
- Works withallkindsofAudioandVideoequipment inyour home.
- Penetrates walls,floorsand ceilings without damagingyourhome.
- Crystal - clear AudioandVideo signals.

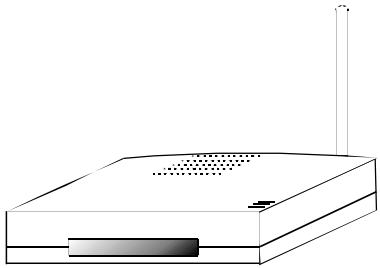
List of Contents

The followingdevices should be includedinthebox.Pleasecheck that you have them all beforeinstallation.

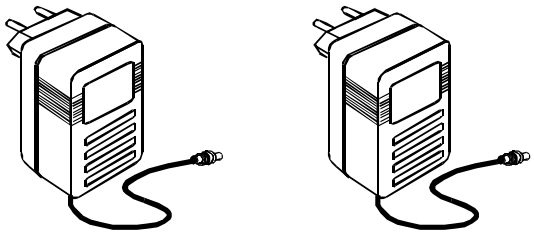
A. One Transmitter(TX)
The TransmitteremitsAudioandVideosignalsovera2.4GHzradio frequency carrierandreceivesUHFremotecontrolsignalsfromthe Receiver.



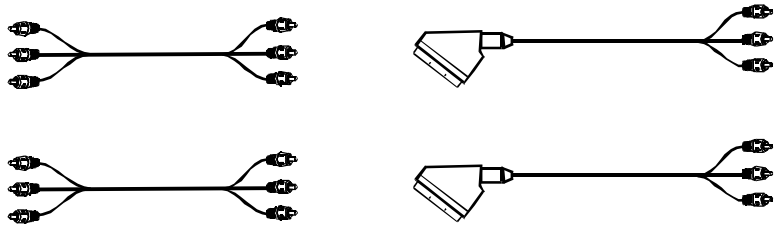
B. OneReceiver(RX)
The Receiver receives 2.4GHz wireless AudioandVideo signals from the Transmitter and sends UHF remotecontrolsignalstothe Transmitter.



C. Twopoweradapters
Thesepoweradapterssupply9V DC power to the Transmitterand the Receiver.



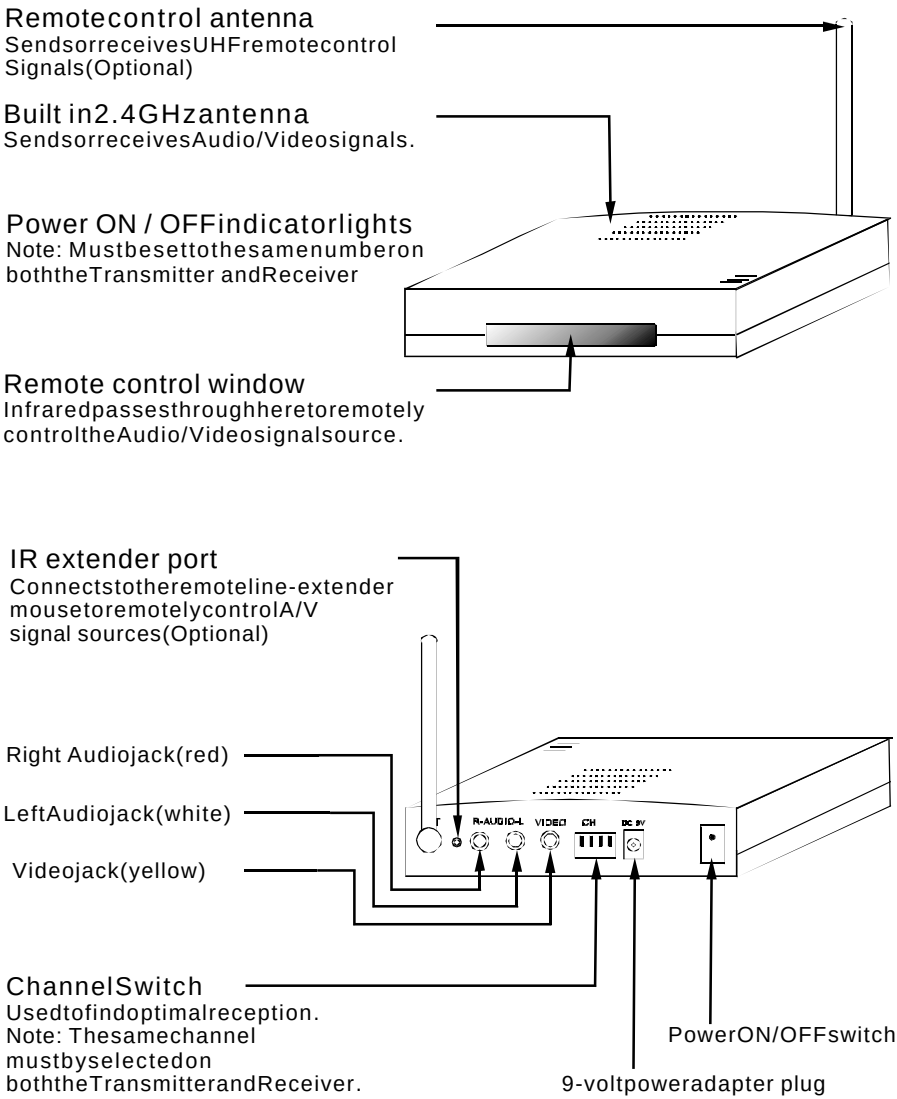
D. Two Audio/Video (A/V) cables
These twocables areusedtoconnecttheTransmitteror the Receiver toyourA/Vdevices.Customerscan select either RCA-to-RCAor RCA-to-SCART types.



E. Infrared extender (Optional)
Emits an infrared remote control signal tocontrolyourA/Vdevices.

Controls and Features

The Transmitter andtheReceiver look alike. Youcandistinguish them through the logoontheunits.Theotherdifferencesareindicatedbelow:



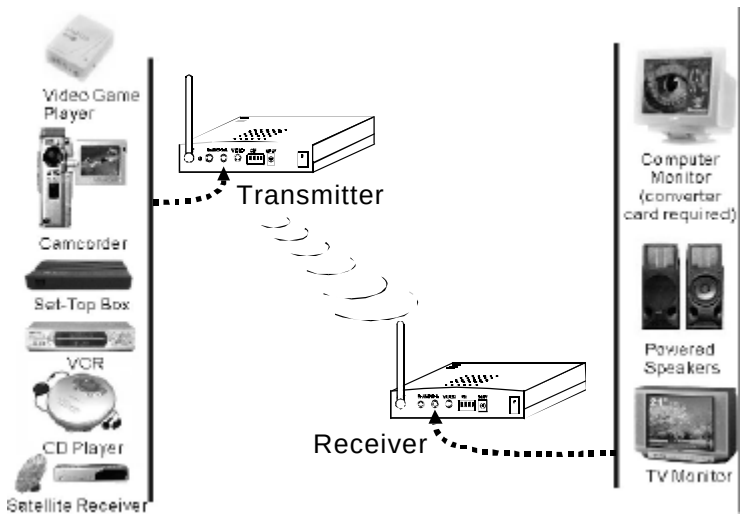
Installation

Setting up the Video Sender is extremely easy. It takes only a few minutes toconnect the Transmitter to the A/V sources you want to view or hear at anther location,andthen connect the Receiver to the TV set, monitors and speakers locatedatyoursite.
Turning onthepowerswitchesoftheTransmitter andtheReceiver, you are ready toenjoytheA/Vsignalsviawirelesstechnology.

The VideoSenderissuitableforallkindsofA/Vsourcesanddisplays withstandardRCA output connectors.ForA/Vequipmentwith different output connectors, suchasSCART,theoptionaladaptersareavailable upon request. Hereinafter, we define the A/V sources andtheA/V Display Units as follows:

Possible A/Vsourcesare:
VCR
TV set
Digital/ AnalogueSatelliteReceivers
LaserDiscPlay
CDPlayer
Camcorder
SecurityCamera
Computer
WirelessCableBox
CassetteDeck
StereoReceiver

The A/VDisplayUnitsare:
TV set
Monitor
Speakers



Connecting the Transmitter to the A/V sources

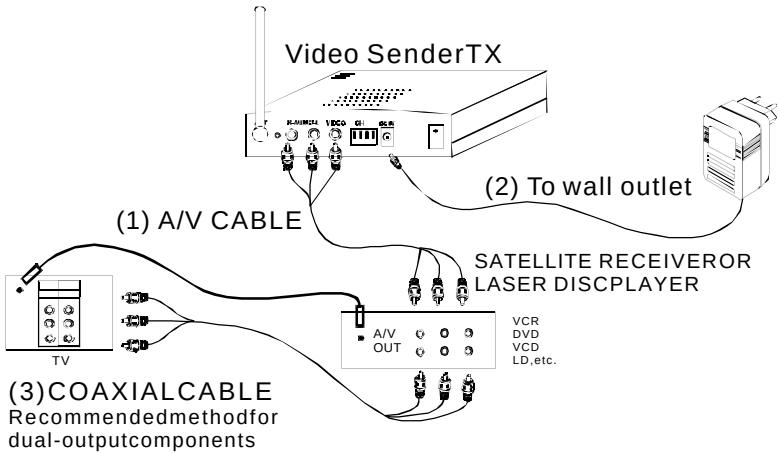
Before connecting the Video Sender Transmitter, make sure the ON/OFF switch is in the OFF position. Connect one set of A/V cables to the A/V jacks of the Transmitter and the A/V jacks on the A/V output of the A/V sources. There are three colors for the connectors of the A/V cables. Make sure the yellow, white and red plugs match the yellow, white and red jacks on both the Transmitter and the A/V sources.

Before plugging the power adapter into the Video Sender Transmitter, make sure the power rating matches the power standard of your country. For example, Italy uses 220V and you should have two power adapters with an A/C power rating of 230V/AC. After plugging the power adapter into the Video Sender Transmitter and the wall outlet as shown below, turn the ON/OFF switch to the ON position and check to be sure the Power ON/OFF indicator light is lit.

A. How to send Audio/Video from your Satellite Receiver or Laser Disc Player

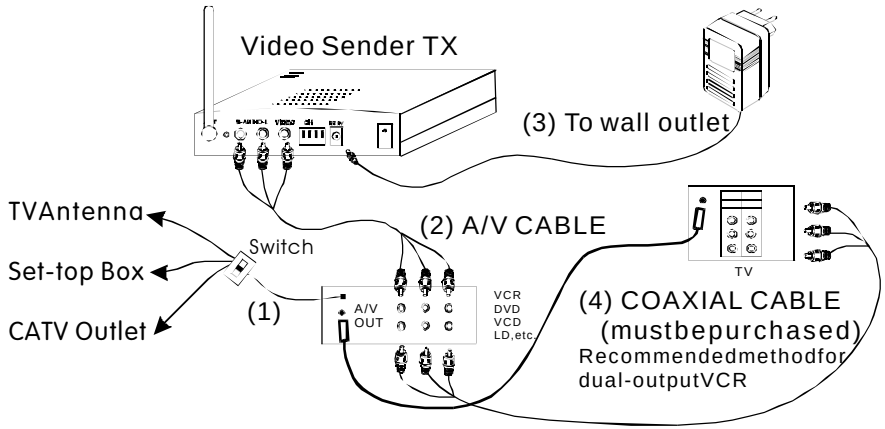
You can send Audio/Video either directly from your Satellite Receiver or Laser Disc Player, or connect them to your VCR. To send directly from your Satellite Receiver or Laser Disc Player, follow the instructions below.

1. Use the A/V cable to connect A/V OUT from your Satellite Receiver or Laser Player to A/V IN on the Transmitter. Be sure to match Audio (R&L) and Video jacks on both the VCR and Transmitter correctly.
2. Plug the DC adapter into a wall AC power line outlet.
3. You may use coaxial cable to connect the coaxial OUT on the Satellite Receiver or Laser Disc Player to VHF/UHF IN on a nearby TV set. If there are two line outs on your receiver or player, you can connect the other line out to your TV set.



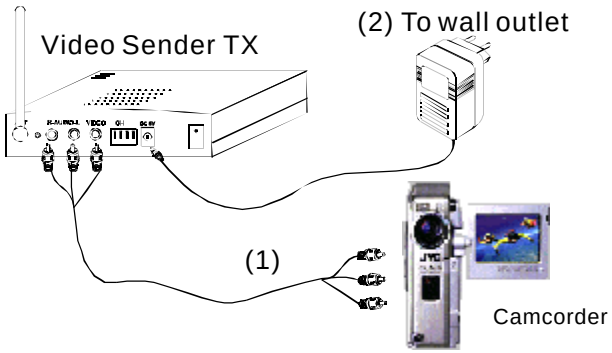
B. How tosend Audio / Video from your VCR or DVD

1. Connectthecoaxial IN, CATV IN orVHF/UHFINonyourVCR to the TV antenna, coaxialOUTof theTVSet-topBoxorthe CATVcoaxial outlet.
2. UseA/Vcableconnect A/V OUT from yourVCRto A/VINon the Transmitter. BesuretomatchAudio(R&L)and Videojacks onboth VCR and Transmitter correctly.
3. PlugtheDCadapterintoa wall AC power line outlet.
4. Youmayusecoaxialcableto connectthecoaxialOUTofyour VCR to the VHF/UHF IN or CATV IN on a nearby TV set. Ifthere are two lines out onyour VCR, you canconnect theother line out toyourTVset.



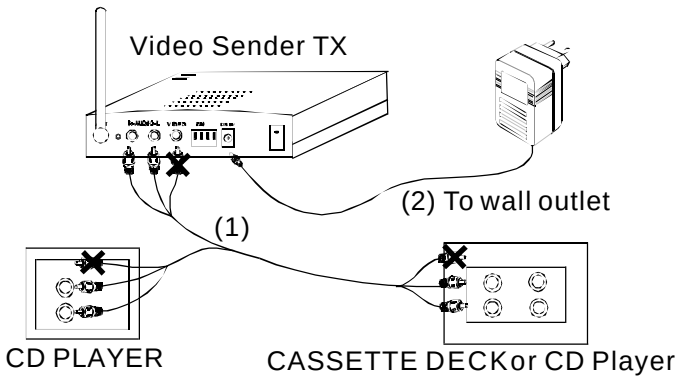
C. How toconnect the Transmitter toyourCamcorder

1. Use A/V cable toconnect A/V OUT onyour camcorder toA/V INontheTransmitter.
2. Plug the DC adapterintoa wall AC power line outlet.



D. How tosend Audio from your CD Player orCassetteDeck

1. Use A/V cable toconnectA/VOUT onyour CD Playeror Cassette Deck to A/V INontheTransmitter.
2. Plug the DC adapter into a wall AC power line outlet.



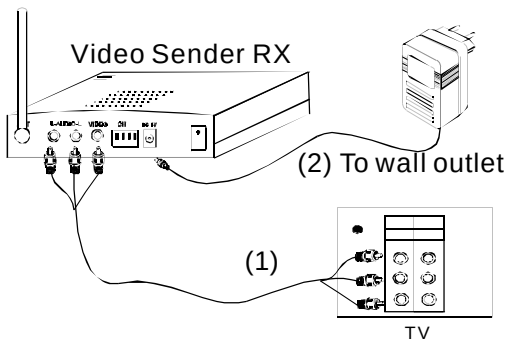
Connecting the Receiver to the A/V display Units

Beforeconnectingthe Video Receiver, makesure the ON/OFFswitch is in the OFFposition.Connectonesetof A/VcablestotheA/Vjacks of the Receiver and to the A/V jacks ontheA/VinputoftheA/VDisplay Units.TherearethreecolorsfortheconnectorsofA/Ccables. Make sure theyellow, white and red plugsmatchtheyellow,white and red jacks on both the transmitter andtheA/Vsourcescorrectly.

Beforepluggingthepoweradapter into the Video Receiver, makesure the power ratingmatchesthepower standardofyourcountry. For example, Italy uses 220V and youshouldhave twopoweradapterswith an A/Cpower ratingof230V/AC. After plugging the power adapterinto the Video Receiver and the wall outlet as shown , turn the ON/OFF switch to theONpositionandchecktobesurethePowerON/OFF indicatorlight is lit.

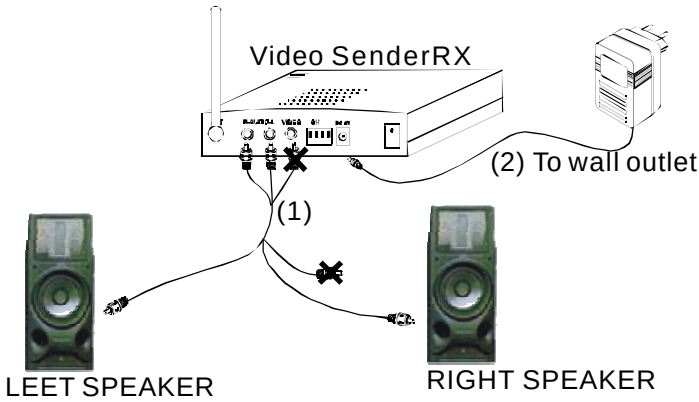
A. How toconnect the Receiver to yourTV

1. Use A/Vcable to connect A/VOUTfromtheReceiverto A/VIN onyourTV. Besuretomatch Audio (R&L) andVideojackson both the ReceiverandTV correctly.
2. Plug the DC adapter into a wall A/C powerlineoutlet.



B. Howto receive AudioonaRemoteSpeaker

1. Use A/V cable toconnect A/V OUT on the Receiver to A/V IN on your speaker. Be sure to match Audio (R&L) and Video jacks on both the Receiver and TV correctly.
2. Plug the DC adapterintoa wall A/C power lineoutlet.



Channel switch selection

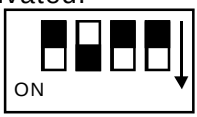
The Video Sender has two operation modes:

1. Permanently set to receive a specific channel
2. Switchable between the selected Channels within 4 seconds intervals. This feature is required, for example, when the Receiver is used with several radio monitoring cameras (scanning mode).

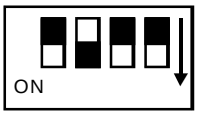
Channel switch (rear)

Four Channel switches (1 to 4) for selecting the receiver Channel.

In the example shown here, Channel 2 is activated.



Transmitter

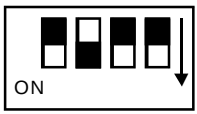


Receiver

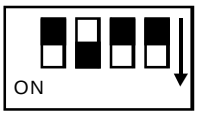
Using the receiver without the Channel switch-over function

The same Channel must be selected for transmitting and receiving a signal. This setting makes it possible to operate up to 4 systems independently.

Example: Transmitter sends a signal to Receiver via Channel 2



Transmitter

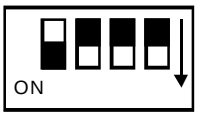


Receiver

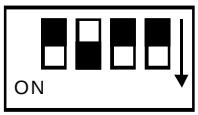
Using the receiver with the Channel switch-over function

Switches 1 to 4 are used to select the Channels you wish to switch between.

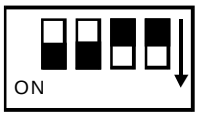
Example: Receiver switches between Channels 1 and Channel 2 at 4 seconds intervals.



Transmitter1



Transmitter2



Receiver

Orienting the remote control antenna (Optional)

For most applications, both of the remote control antennas should also be oriented vertically with respect to the main housing (refer to Fig 1 & 2)

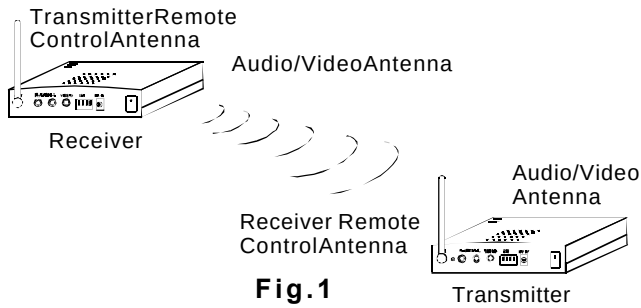


Fig.1

If your remote control function is not working satisfactorily, first rotate the transmitter's remote control antenna (local on Video Sender Rx) to different positions (refer to Fig. 3)

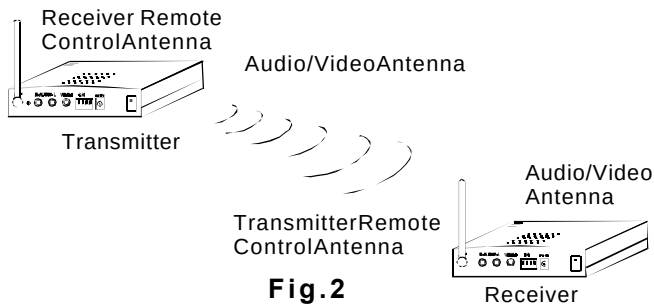


Fig.2

If you notice improved performance, keep this orientation. If not, the receiver's remote control antenna (located on Video Sender Rx) can be adjusted to optimize the performance.

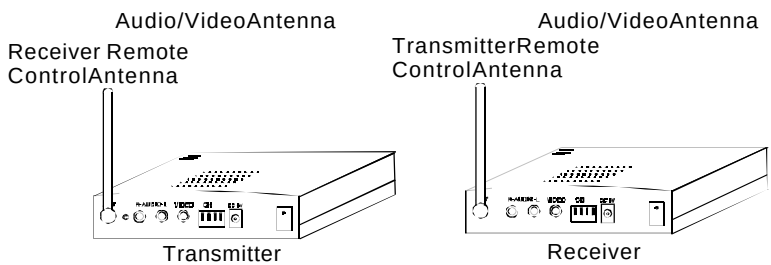
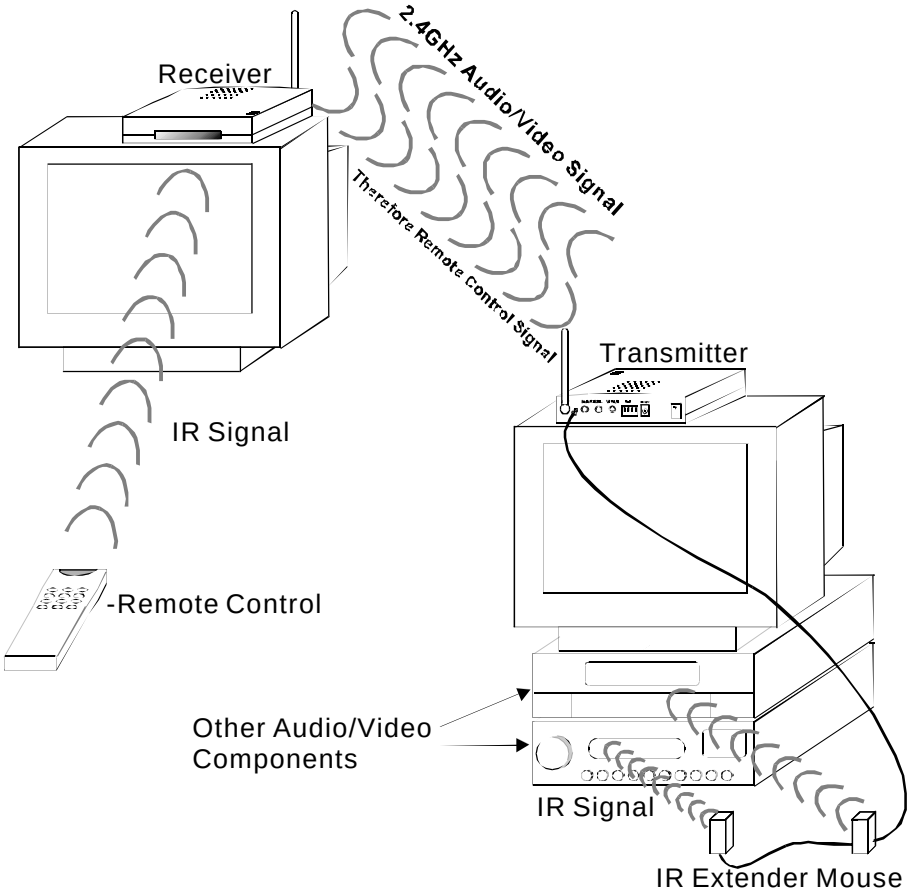


Fig.3

Using the Remote Control Feature

1. Plug the IR Extender Mouse connector into its special jack at the side of the Video Sender Transmitter.
2. Locate the IR sensor on the A/V source equipment you wish to control. You can find the location of the IR sensor by consulting the user's manual of the A/V source equipment.
3. Point the IR Extender Mouse housing in the general direction of the IR sensors of the A/V source equipment you wish to control. Cut a piece of the fastener strip provided to secure the IR Extender Mouse in the appropriate location.
4. Position the Video Sender receiver to allow your remote control signal to strike the IR window on the front bottom of the Receiver. To perform the remote control feature, point the remote control at the front of the Video Sender Receiver.



Trouble Shooting

Ifaproblem occurs,firstrefertothis informationbefore you take the device for repair.

Ifyou areunableto rectify the fault using theinformationgiven here, contactyourlocaldealer orservicespecialist.

Under nocircumstances should youattempt to repair the device yourself,asthiswouldinvalidatetheguarantee.

PROBLEM	POSSIBLE CAUSE	REMEDY
No picture/sound transmission	Thetransmissionchannels for thetransmitter/receiver donotcorrespond.	Setthetransmission channel onthe transmitter/receiver
	Thetransmissiondistance istoo great.	Reducethedistance.
	Connectingcable.	Check theEURO-AV plug andthecinchplug.
	Transmitterorreceivernot switchedon.	Switchonthe transmitter or receiver
Poor picture/sound quality	Interference.	Movethetransmitteror receiverafewcentimetres
		Changethetransmission channel onthe transmitter/receiver
	Microwaveunitsandthe use of so-called "blue toothfunction" (W LAN) onmobilephonesor notebooks.	Switchthisdeviceoff.
	Infra-redmodule.	Check theconnectionand positionoftheinfra-red module.
Theremotecontrol of thesignal sourcedoesnot respond.	Awirelesstransmitterinthe 433MHzrange(e.g.a baby-phone) isinterfering withthetransmission.	Switchthisdeviceoff.

Specification

Transmitter:

1. Frequency :2.4GHz-2.4835GHz
2. Channel :4selectablechannels
3. Modulation :FM

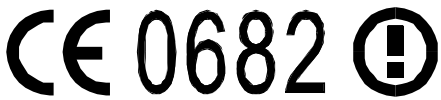
   Inputlevel :Video-1Vp-p(NTSC/PAL)
   Audio-1Vp-p(NTSC)/3Vp-p(PAL)

   Impedance :Video-75ohms
   Audio-600ohms(NTSC)/10Kohms(PAL)

4. Inputport :A/Vjack-RCAtoRCAlinejacks
   A/Vjack - RCAtoSCARTlinejacks(optional)
5. Antenna :Builtinantenna
6. Powersupply:DC9Vpoweradapter

Receiver

1. Frequency : 2.4GHz-2.4835Ghz
2. Channel : 4 selectablechannels
3. Outputport : A/Vjack-RCAtoRCAlinejacks
   A/Vjack -RCAtoSCARTlinejacks(optional)
4. Antenna :Builtinantenna
5. Powersupply :DC9Vpoweradapter



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